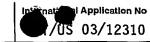


A. CLASSII IPC 7	FICATION OF SUBJECT MATTER G02B6/00 F21V5/00			
A coording to	- I-t	tion and IDC		
	o International Patent Classification (IPC) or to both national classification SEARCHED	non and ir-o		
	ocumentation searched (classification system followed by classification	n symbols)		
	tion searched other than minimum documentation to the extent that su			
Electronic d	ata base consulted during the international search (name of data bas	se and, where practical, search terms used)		
EPO-In	ternal, WPI Data, PAJ			
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT	•		
Category °	Citation of document, with indication, where appropriate, of the rele	evant passages	Relevant to claim No.	
Α	US 4 460 940 A (MORI KEI) 17 July 1984 (1984-07-17) column 1, line 24 -column 1, line column 1, line 43 -column 1, line column 2, line 66 -column 3, line column 5, line 3 -column 5, line figure 9	1–5		
A	US 2002/024803 A1 (ADACHI MASAYA 28 February 2002 (2002-02-28) abstract page 3, paragraph 53 -page 4, par page 6, paragraph 77 -page 6, par figure 1	agraph 55	1–5	
Furti	her documents are listed in the continuation of box C.	χ Patent family members are listed	in annex.	
T later document published after the international filing date or priority date and not in conflict with the application but considered to be of particular relevance *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention				
filing date "L" document which may throw doubts on priority_claim(s) or		*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone		
citation "O" docume other i	n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or means	"Y" document of particular relevance; the c cannot be considered to involve an in- document is combined with one or mo- ments, such combination being obvious in the cart.	ventive step when the ore other such docu-	
later th		in the art. *& document member of the same patent		
	actual completion of the international search	Date of mailing of the international sea	arch report	
	O September 2003	17/09/2003		
Name and r	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk	Authorized officer		
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Bagge Af Berga, H		

ILNINA HUNAL SEARUN KETUK

ation on patent family members



Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 4460940	A	17-07-1984	JP	58080604 A	14-05-1983
	• •		JP	58082204 A	17-05-1983
			JP	1397388 C	24-08-1987
			JP	58091489 A	31-05-1983
			JP	62006238 B	09-02-1987
			DE	3240942 A1	26-05-1983
			GB	2112515 A ,	B 20-07-1983
			GB	2164138 A ,	B 12-03-1986
			HK	25588 A	15-04-1988
			HK	25888 A	15-04-1988
			SG	110787 G	20-05-1988
			SG	110987 G	20-05-1988
US 2002024803	A1	28-02-2002	JP	2002075036 A	15-03-2002